

Amendment Under 37 C.F.R. §1.111
Application No. 10/660,758
Attorney Docket No. 031102

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions of claims in the application.

1. (Currently Amended): A method for manufacturing a coated sheet to form a coated layer by a process including a process (1) for coating a coating liquid including a resin material and a solvent on a substrate, and a drying process (2) for drying a coated liquid,

wherein the drying process (2) is a process for heat drying by heating means after an initial drying at ordinary temperature, and

in drying process (2), a value L at least after completion of the process obtained in drying process (2) might satisfy satisfies a following relationship:[[.]])

$$L = \int_0^T \frac{\sigma [mN/m] \times (h [m])^3}{\eta [mPa \cdot sec]} dt > 1.9 \times 10^{-13} [m^4 / sec]$$

(where: T: total period of drying process [sec]; σ: surface tension of coated liquid [mN/m]; h: thickness of coated liquid [m]; and η: viscosity of coated liquid [mPa·sec]).

2. (Original): The method for manufacturing a coated sheet according to Claim 1, wherein an initial surface tension of a coated liquid in the drying process (2) is 20 through 40 [mN/m] at 25°C.

3. (Original): The method for manufacturing a coated sheet according to Claim 1, wherein an initial viscosity of the coated liquid in the drying process (2) is 0.1 through 20 [mPa·s] at 25°C.

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4. (Original): The method for manufacturing a coated sheet according to Claim 2, wherein an initial viscosity of the coated liquid in the drying process (2) is 0.1 through 20 [mPa·s] at 25°C.

5. (Original): The method for manufacturing a coated sheet according to Claim 1, wherein the coated layer has a thickness after drying of 10 µm or less.

6. (Original): The method for manufacturing a coated sheet according to Claim 2, wherein the coated layer has a thickness after drying of 10 µm or less.

7. (Original): The method for manufacturing a coated sheet according to Claim 3, wherein the coated layer has a thickness after drying of 10 µm or less.

8. (Original): The method for manufacturing a coated sheet according to Claim 4, wherein the coated layer has a thickness after drying of 10 µm or less.

9. (Original): The method for manufacturing a coated sheet according to Claim 1, wherein the coated layer is an optical functional layer.

10. (Original): The method for manufacturing a coated sheet according to Claim 2, wherein the coated layer is an optical functional layer.

11. (Original): The method for manufacturing a coated sheet according to Claim 3, wherein the coated layer is an optical functional layer.

12. (Original): The method for manufacturing a coated sheet according to Claim 4, wherein the coated layer is an optical functional layer.

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13. (Original): The method for manufacturing a coated sheet according to Claim 5, wherein the coated layer is an optical functional layer.

14. (Original): The method for manufacturing a coated sheet according to Claim 9, wherein the optical functional layer is a hard coat layer.

15. (Original): The method for manufacturing a coated sheet according to Claim 10, wherein the optical functional layer is a hard coat layer.

16. (Original): The method for manufacturing a coated sheet according to Claim 11, wherein the optical functional layer is a hard coat layer.

17. (Original): The method for manufacturing a coated sheet according to Claim 12, wherein the optical functional layer is a hard coat layer.

18. (Original): The method for manufacturing a coated sheet according to Claim 13, wherein the optical functional layer is a hard coat layer.

19. (Original): An optical functional layer obtained by a method for manufacturing a coated layer according to Claim 9.

20. (Original): An optical functional layer obtained by a method for manufacturing a coated layer according to Claim 10.

21. (Original): An optical functional layer obtained by a method for manufacturing a coated layer according to Claim 11.

22. (Original): An optical functional layer obtained by a method for manufacturing a coated layer according to Claim 12.

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23. (Original): An optical element, wherein an optical functional layer according to Claim 19 is formed on one side or both sides thereof.

24. (Original): An optical element, wherein an optical functional layer according to Claim 20 is formed on one side or both sides thereof.

25. (Original): An optical element, wherein an optical functional layer according to Claim 21 is formed on one side or both sides thereof.

26. (Original): An optical element, wherein an optical functional layer according to Claim 22 is formed on one side or both sides thereof.

27. (Original): An image display device having an optical functional layer according to Claim 19.

28. (Original): An image display device having an optical functional layer according to Claim 20.

29. (Original): An image display device having an optical functional layer according to Claim 21.

30. (Original): An image display device having an optical functional layer according to Claim 22.

31. (Original): An image display device mounting an optical element according to Claim 23 thereon.

32. (Original): An image display device mounting an optical element according to Claim 24 thereon.

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33. (Original): An image display device mounting an optical element according to Claim 25 thereon.

34. (Original): An image display device mounting an optical element according to Claim 26 thereon.

35. (New): The method for manufacturing a coated sheet according to Claim 1, wherein the drying process (2) is performed for a period of longer than 30 sec and not longer than 300 sec.